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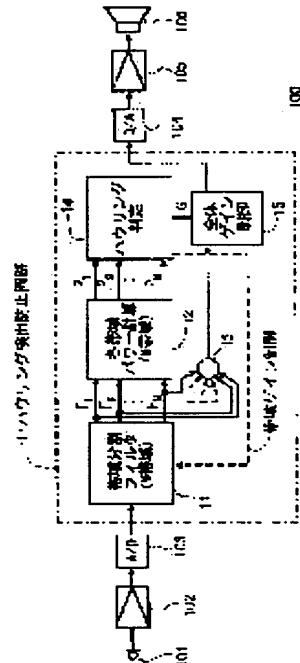
(21)Application number : 08-302194 (71)Applicant : YAMAHA CORP
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(54) HOWLING DETECTING AND PREVENTING CIRCUIT AND SOUND REINFORCING DEVICE USING THE SAME

(57) Abstract:

PROBLEM TO BE SOLVED: To provide the howling detecting and preventing circuit which can detect and prevent howling automatically and the sound reinforcing device which uses it.

SOLUTION: This is a circuit 1 which is provided for the sound reinforcing device 100 equipped with a microphone 101, a power amplifier 105, and a speaker 106 and detects howling and consists of a band-division filter part 11 which divides an input signal into bands of different frequencies, a respective- band power calculation part 12 which calculates the power by the frequency bands divided in specific sampling cycle units, and a howling decision part 14 which shifts the frequency in order by using the calculated power values of the respective bands and decides whether or not howling is caused according to specific conditions, and adjust the gain of a frequency band where howling is detected to prevent the howling.



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